

1920.

Annual Report

AND

Vital Statistics

OF THE

RURAL DISTRICT OF BUCKLOW.

BY

ARTHUR T. BLEASE,

M.B., Ch.B.Vict., M.R.C.S.E., L.R.C.P.L.,

Medical Officer of Health for the Rural District, and also
for the Urban District of Knutsford; Medical Adviser to
the Bucklow Joint Hospital Board; etc.

Gongleton:

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The Rural District of Bucklow.

ANNUAL REPORT OF MEDICAL OFFICER OF HEALTH FOR 1920.

PART I.

Nett Population at Census of 1911, 22,870.

Estimated Population 1920, 24,360.

Number of Inhabited Houses, 4,942.

Average Number of Persons per House, 4·7.

Area of District in Acres, 56,892.

Birth Rate per 1,000 living, 16·7.

General Birth Rate (England and Wales) 25·4.

Death Rate per 1,000 living, 8·2.

General Death Rate (England and Wales) 12·4.

Deaths under one year in proportion to 1,000 Births, 56.

Deaths under one year in proportion to 1,000 Births throughout England and Wales, 80.

The Total Number of Deaths was 202, of which 23 were children under one year old, and 87 were persons of over 65 years.

PART II.—TABLES.

TABLE I.

Vital Statistics of Whole District during 1920 and Previous Years.

YEAR.	Gross Population.	Nett Population estimated to Middle of each Year.	BIRTHS.			TOTAL DEATHS REGISTERED IN THE DISTRICT.	TRANSFERABLE DEATHS.	NETT DEATHS BELONGING TO THE DISTRICT.			
			Uncorrected Number.	Nett. Number.	Rate.			Number.	Rate per 1000 Nett Births.	Number.	
1911	22951	21979	417	...	19·0	262	...	38	110	258	11·7
1912	23262	22290	408	...	18·0	247	...	39	59	240	10·8
1913	23511	22600	374	...	16·5	258	...	76	91	212	9·7
1914	23609	22646	414	419	18·5	317	...	93	57	268	12·3
1915	23486	22462	358	360	16·0	324	...	104	108	269	12·4
1916	23749	22316	323	331	14·8	385	...	183	78	243	11·2
1917	23749	22316	324	327	14·6	382	...	200	67	225	10·4
1918	For birth-rate 22538	For death-rate 20219	320	325	14·4	476	...	192	62	284	14·0
1919	For birth-rate 24751	For death-rate 23761	316	318	12·8	419	...	205	75	264	11·1
1920	24360	407	408	16·7	338	...	176	40	56	202	8·2

TABLE II.

Diseases notified under Acts and Orders during 1920.

NOTIFIABLE DISEASE.	NUMBER OF CASES NOTIFIED.						TOTAL CASES NOTIFIED IN EACH LOCALITY.						TOTAL CASES REMOVED TO HOSPITAL.					
	Under 1. All Ages.	1 to 5. All Ages.	5 to 15. All Ages.	15 to 25. All Ages.	25 to 45. All Ages.	45 and upwards. All Ages.	Altritcham. Willislow. Knutstorf. Lytham. Saxte. ...											
Small-pox	
Cholera—Plague	
Diphtheria (including Membranous Croup)	23	...	2	12	8	1	9	1	1	3	9	18	18	18	
Erysipelas	11	...	8	61	12	6	4	2	7	2	1	1	1	2	2	76	76	
Scarlet Fever	87	57	...	6	12	12	
Typhus Fever	
Enteric Fever	2	2	2	1	1	1	
Relapsing Fever	
Continued Fever	
Puerperal Fever	
Cerebro-Spinal Meningitis	
Poliomyelitis	
Ophthalmia Neonatorum	4	4	1	1	1	1	1	1	1	1	
Pulmonary Tuberculosis	19	2	4	9	3	1	1	8	1	4	2	4	4	4	4	
Other forms of Tuberculosis	6	...	1	1	2	1	4	...	2	...	2	
Pneumonia	24	1	5	3	2	7	3	3	3	11	3	4	3	3	3	3	3	
Malaria	...	1	1	
Totals ...	177	5	16	79	28	32	11	6	99	8	20	20	30	30	30	97	97	

TABLE III.

Deaths Registered during the Calendar Year 1920 classified by age and cause.

CAUSES OF DEATH.	Nett Deaths at the subjoined ages of "Residents" whether occurring within or without the District.										Total Deaths whether of "Residents" or "non-Residents" in Institutions in the District.
	All Ages.	Under 1 year.	1 & under 2 years.	2 & under 5 years.	5 & under 15 years.	15 & under 25 years.	25 & under 45 years.	45 & under 65 years.	65 & upwards.		
All Causes { Certified ..	202	..	..	..	..	..	..	..	..	..	..
Uncertified ..	0	..	..	..	..	..	..	..	..	..	..
Enteric Fever	1	..	..	..	..	..	..	1	..	..	..
Small-pox	..	..	..	..	..	..	..	..	..	..	..
Measles	1	1	..	..	..	..	..	..	..	..	..
Scarlet Fever	1	..	..	..	..	1	..	..	..	..	..
Whooping Cough	2	1	..	..	1	..	..	..	..	..	..
Diphtheria and Croup	3	..	..	..	1	2	..	..	..	..	..
Influenza	3	..	..	..	..	..	2	..	1	..	..
Erysipelas	..	..	..	..	..	..	..	..	..	..	..
Phthisis (Pulmonary Tuberculosis)	10	..	..	..	..	5	2	3	..	..	148
Tuberculous Meningitis	1	1	..	..	..	..	..	..	..	..	..
Other Tuberculous Diseases	3	..	..	..	1	1	1	..	..	..	2
Cancer, Malignant Disease	24	..	..	..	..	..	3	12	9	..	..
Rheumatic Fever	..	..	..	..	..	..	..	..	..	..	..
Meningitis	..	..	..	..	..	..	..	..	..	..	..
Organic Heart Disease	33	..	1	..	..	2	3	10	17	..	..
Bronchitis	15	1	..	..	..	1	1	4	8	2	..
Pneumonia (all forms)	14	1	..	..	2	..	1	5	5	2	..
Other Diseases of Respiratory Organs	3	1	..	..	..	..	..	1	1	1	..
Diarrhoea and Enteritis	2	..	..	..	..	..	..	1	1	1	..
Appendicitis and Typhlitis	1	..	..	..	..	..	..	..	..	..	..
Cirrhosis of Liver	1	..	..	..	..	..	..	1	..	..	..
Alcoholism	..	..	..	..	..	..	..	..	..	..	..
Nephritis & Bright's Disease	7	..	..	..	1	..	1	3	2	..	..
Puerperal Fever	..	..	..	..	..	..	..	..	..	..	..
Other Accidents and Diseases of Pregnancy and Parturition	1	..	..	..	..	..	1	..	..	..	..
Congenital Debility and Malformation, including Premature Birth	11	11	..	..	..	..	..	..	..	..	..
Violent Deaths, excluding Suicide	7	2	..	..	..	..	1	1	1	2	..
Suicide	1	..	..	..	..	..	..	1	..	..	..
Other Defined Diseases	56	4	..	1	1	1	2	6	41	10	..
Diseases ill-defined or unknown	..	1	..	..	..	..	..	1	..	..	..
Totals	202	23	1	3	8	11	20	49	87	165	..

TABLE IV.

Infant Mortality.

1920. Nett Deaths from stated causes at various Ages under 1 Year of Age.

CAUSE OF DEATH.		Under 1 Week.		1-2 Weeks.		2-3 Weeks.		3-4 Weeks.		Total under 4 Weeks.		4 Weeks and under 3 Months.		3 Months and under 6 Months.		6 Months and under 9 Months.		9 Months and under 12 Months.		Total Deaths under 1 Year.	
All Causes.	{ Certified Uncertified	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Small-pox
Chicken-pox
Measles
Scarlet Fever
Whooping Cough
Diphtheria and Croup
Erysipelas
Tuberculous Meningitis
Abdominal Tuberculosis
Other Tuberculous Diseases
Meningitis (not Tuberculous)
Convulsions	I	..	..	..	..	..	I	..	..	..	..	..	I	..	..	..	..	..	2
Laryngitis	I	..	..	..	..	..	..	..
Bronchitis	I	..	..	..	..	..	..	I
Pneumonia (all forms)	I	..	I	..	..	..	..	..	..	..	..	..	..	..	I
Diarrhoea
Enteritis	I	..	..	..	..	..	..
Gastritis	I	..	..	..	..	..	..	I
Syphilis
Rickets
Suffocation, overlying
Injury at Birth	I	..	..	..	..	I	..	..	..	..	..	..	..	..	..	..	..	..	I
Atelectasis
Congenital Malformations	I	..	..	..	..	..	..	..	..	..	I
Premature Birth	..	6	I	I	..	..	..	..	8	I	..	..	..	..	..	..	..	..	..	..	8
Atrophy, Debility, & Marasmus	I	..	..	I	..	I	I	..	..	..	..	..	..	..	..	..	..	2
Other Causes	2	..	..	..	..	2	..	..	..	..	..	..	I	..	..	..	..	..	3
Totals	..	10	1	3	..	14	4	1	2	2	2	..	..	..	..	..	..	..	..	..	23

Nett Births registered { legitimate 393 Nett Deaths registered { legitimate infants 21 during the calendar year { illegitimate 14 during the calendar year of { illegitimate infants 2

TABLE V.
Births 1920.

Rural part of Sub-District of	1st Quarter.			2nd Quarter.			3rd Quarter.			4th Quarter.			Total.							
	M.	F.	Total.	M.	F.	Total.														
	Rate.	Rate.	Rate.	Rate.	Rate.	Rate.														
Altringham	17	16	33	...	19	24	43	...	20	24	44	...	9	16	25	...	65	80	145	...
Lynn	6	4	10	...	3	4	7	...	4	3	7	...	5	5	10	...	18	16	34	...
Knutsford	11	7	18	...	11	9	20	...	12	13	25	...	6	7	13	...	40	36	76	...
Wilmslow	5	10	15	...	10	10	20	...	3	5	8	...	8	8	16	...	26	33	59	...
Sale	15	13	28	...	9	13	22	...	12	7	19	...	13	12	25	...	49	45	94	...
Total	54	50	104	17.3	52	60	112	18.4	51	52	103	16.7	41	48	89	14.5	198	210	408	16.7

TABLE VI.

Deaths 1920.

Rural part of Sub-District of	1st Quarter.		2nd Quarter.		3rd Quarter.		4th Quarter.		Total.	
	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.
Altrincham	21	—	15	—	18	—	17	—	71	—
Lymm	... 11	—	14	—	5	—	6	—	36	—
Knutsford	... 6	—	7	—	10	—	3	—	26	—
Wilmslow	... 4	—	6	—	4	—	5	—	19	—
Sale	... 14	—	16	—	8	—	12	—	50	—
Total	... 56	9·3	58	9·5	45	7·3	43	7·0	202	8·2

TABLE VII.
Notifications of Infectious Diseases.

Year.	Rare Diseases.	Scarlatina.	Diphtheria.	Enteric Fever.	Puerperal Fever.	Erysipelas.	Phthisis.	Other Forms of Tuberculosis.	Measles.	TOTAL.
1890		26	5	5	1	2				39
1891		28	5	7	—	8				48
1892		68	8	18	2	11				107
1893		193	18	14	1	14				240
1894	1(a)	116	40	7	2	16				182
1895	2(a)	39	19	11	3	5				79
1896	—	31	9	19	1	5				65
1897	—	42	3	8	—	6				59
1898	—	19	11	6	—	9				45
1899	—	83	6	7	2	8				106
1900	—	79	8	6	—	3				96
1901	—	120	23	6	—	9				158
1902	—	46	37	6	4	9				102
1903	6(a)	52	25	7	—	7				97
1904	—	79	27	2	3	6				117
1905	—	58	31	2	3	14				108
1906	—	75	17	5	1	8				106
1907	—	53	9	4	1	5				72
1908	1(a)	65	25	2	2	10				105
1909	—	156	7	41	1	1				206
1910	—	94	14	6	1	8				123
1911	—	70	13	19	2	17	10			131
1912	—	28	6	2	1	5	32			74
1913	—	67	16	2	—	6	28	15		134
1914	3(b)	119	6	1	4	6	25	12		176
1915	3(c)	67	33	2	2	17	26	9		159
1916	4(d)	34	22	—	1	4	21	13	227	326
1917	—	16	9	1	1	7	27	14	293	368
1918	2(b)	29	18	—	3	9	22	4	413	500
1919	11(e)	37	16	1	—	7	24	7	61	164
1920	5(f)	87	23	2	—	11	19	6	—	153

(a) Small-pox. (b) ophthalmia neonatorum.

(c) 1 ophthalmia, 1 poliomyelitis, 1 cerebro-spinal fever.

(d) 3 ophthalmia, 1 cerebro-spinal fever.

(e) 1 acute polio-encephalitis.

1 ophthalmia neonatorum.

8 malaria.

1 dysentery.

(f) 4 ophthalmia, 1 malaria.

TABLE VIII.
Deaths from Special Diseases.

Year.	Rare Diseases.	Measles.	Scarlatina.	Diphtheria.	Whooping-cough.	Enteric Fever.	Diarrhea.	Puerperal Fever.	Erysipelas.	Phthisis.	Other Forms of Tuber-culosis.
1890		5	1	—	3	3	8	1	1	43	—
1891		1	1	—	5	4	6	2	2	40	—
1892		13	3	1	7	3	6	2	3	32	—
1893	2(a)	3	6	6	1	7	18	1	3	28	—
1894	—	1	4	5	8	1	5	1	3	29	—
1895	1(a)	—	2	5	3	4	2	3	1	22	—
1896	—	1	—	6	3	3	4	1	—	23	—
1897	—	16	1	2	1	3	15	—	—	26	—
1898	—	3	1	2	—	2	11	—	—	19	—
1899	—	—	3	1	7	3	16	2	1	29	—
1900	—	—	1	1	8	1	7	—	—	22	—
1901	—	1	2	5	8	2	10	—	1	15	—
1902	—	1	2	7	1	1	1	4	—	10	—
1903	2(a)	2	4	7	6	1	8	—	2	18	—
1904	—	1	2	2	7	1	8	1	1	17	—
1905	—	5	4	4	1	1	6	—	—	12	—
1906	—	4	—	4	—	—	11	1	—	15	—
1907	—	1	1	—	2	—	2	—	—	13	—
1908	—	2	1	—	6	—	5	—	—	10	—
1909	—	1	4	—	7	—	3	—	—	14	—
1910	—	3	1	1	1	1	1	1	—	9	—
1911	—	1	—	1	7	—	16	2	—	12	—
1912	—	5	2	—	—	—	2	—	—	15	—
1913	—	2	2	—	—	—	6	—	—	11	—
1914	—	—	1	1	—	—	—	2	1	16	—
1915	1(b)	2	3	3	—	—	—	1	—	13	—
1916	—	—	1	4	3	—	5	—	1	11	—
1917	—	—	—	—	2	—	2	—	—	8	—
1918	—	1	—	1	1	—	2	—	—	13	—
1919	1(c)	—	1	3	2	—	2	—	—	18	—
1920	—	1	1	3	2	—	2	—	—	10	4

(a) Small-pox. (b) cerebro-spinal fever. (c) acute polio-encephalitis.

TABLE IX.

Cheshire County Council.**Tabular Summary of Sanitary Work
during 1920.****Name of District—Bucklow Rural.****I.—WATER SUPPLY.**

1. Have any extensions been carried out during 1920? If so please append brief note. *Extension of Mains at Moss Nook, Northen Etchells and Ringway.*
2. Number of Samples analysed during 1920—chemically—8. Bacteriologically—2.
3. Are any, and if so what, parts of your District still without a proper supply of water? Yes. *Mobberley and Carrington.*

II.—SEWERAGE AND SEWAGE DISPOSAL.

1. Specify any new works of sewerage carried out during 1920. *Extension of sewer 130 yards in Longley Lane, Northenden,*
2. Are any, and if so what, parts of your District still without a proper system of sewers? *See previous reports.*
3. Have there been any complaints to your knowledge during 1920 as to the disposal works? Yes. *One as to Northenden Works Leakage to underdrains through rat-holes.*
4. Have any alterations or extensions taken place to your knowledge in the disposal works during 1920 No.

III.—HOUSING.

1. Number of new houses built during 1920. 14.
2. Number of dwelling-houses inspected under s. 17 Act of 1909. 115.
3. Number of such houses considered unfit for habitation. Nil.
4. Number of representations made to Local Authority. Nil.
5. Number of closing orders made by Local Authority. Nil.
6. Number of houses where defects remedied without closing orders being made. 53.

7. Number of houses where defects remedied *after* closing orders made. *Nil.*
8. Estimated or ascertained number of houses within limits of rent in s 14 of Act of 1909. 3127.
9. Number of such houses in respect of which notice was served during 1920. 105.
10. Number of such houses closed after notice. *Nil.*
11. Number of such houses where Local Authority has executed necessary repairs, &c. *Nil.*
12. Approximate number of back-to-back houses in District. *Nil.*
13. Approximate number of cellar dwellings in District. *Nil.*
14. What number of dwelling-houses for the working classes has your Council decided are required under the recent Housing Act? *422 were given in last year's report, but owing to change of boundaries and other circumstances the requirements are now under review.*

IV. TOWN PLANNING.

Has any scheme of Town Planning been put forward during 1920 for your District or any part thereof? If so please make brief note of (a) part of District covered by Scheme *The townships of Northenden, Baguley, Timperley, and parts of Northen Etchells (Stone Pail and Moss Nook areas).* (b) Area *5400 acres.* (c) Population *8607.* (d) How far has the Scheme progressed at Date of making this Report? *The Council's formal resolution under the Town Planning Acts 1909—1919, accompanied by "Map No. 1," has been deposited with the Ministry of Health.*

(Signed) ARTHUR T. BLEASE.

April 26th, 1921.

TABLE X.

Annual Report of the Medical Officer of Health for the year 1920, for the Rural District of Bucklow, on the administration of the Factory and Workshop Act, 1901, in connection with Factories, Workshops, Workplaces and Homework.

1.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises.		Inspections.	Number of Written Notices.	Prosecutions.
Factories ...	...	45	1	...
(Including Factory Laundries).				
Workshops ...	...	152	...	...
(Including Workshop Laundries).				
Workplaces ...	...	129	...	..
(Other than Outworkers' Premises).				
Total ..	...	326	1	...

2.—DEFECTS FOUND—None.

3.—HOME WORK.

Wearing Apparel—	Making, &c.	Lists received from Employers.		
				Lists.	Contractors.	Workmen.
				8	16	16
Total	8	16	16

4.—REGISTERED WORKSHOPS.

Class.						Number.
Bakehouses ...	...	...	...	...	...	12
Basket Makers	...	...	...	...	...	3
Blacksmiths	...	...	...	...	...	31
Brickmakers	...	...	...	...	...	3
Dressmakers	...	...	...	...	...	36
Laundries ...	...	...	...	...	...	76
Painters	...	...	...	...	...	5
Wheelwrights	...	...	...	...	...	15
Miscellaneous	...	...	...	...	...	45

Total number of Workshops on Register ... 226

5.—OTHER MATTERS.

Class.	Number.
Matters notified to H.M. Inspector of Factories :—	

Fire Escape Staircase, Cone Tube Works, Timperley ... 1

Owing to alteration of Boundaries at Partington and Dunham Massey 14 Factories and 4 Workshops have passed from the Council's control.

ARTHUR T. BLEASE,

April 26th, 1921.

Medical Officer of Health.

TABLE XI.

Cheshire County Council.

Tabular Statement of Inspector of Nuisances for the Year ended
December 31st, 1920.

The Rural District of Bucklow.

Nature of Inspections Made.	A Number	B Number of Notices served.		C Result of Service of Notices.			
		Statu- tory.	Inform- al.	Notices compli- ed with.	Remain- ing in hand	Prosecutions.	
						Insti- tuted.	Pend- ing.
1. Dwelling Houses (general inspections)	405	105	47	70	82	...	...
2. Cellar Dwellings	...	...	...	...	...	...	...
3. Back-to-Back Houses	...	...	...	...	...	...	...
4. Tents, Vans, Sheds, &c.	33	...	...	...	...	...	...
5. Courts, Yards, Passages	2207	...	106	106	...	...	...
6. Privy-Middens, Earth or Pail Closets	2873	78	213	236	55	...	...
7. Cesspools	253	83	24	...	...	...	...
8. House Drainage	783	78	31	54	55	...	...
9. Ditches, Watercourses, &c.	317	...	3	3	...	...	...
10. Offensive Accumulations	10	...	10	10	...	...	...
11. The keeping of Animals (P.H.A., 1875, S. 91 (3))	1	1	...	1	...	...	...
12. Offensive Trades	12	...	2	..	2	...	...
13. (a) Slaughterhouses (Public)	...	...	...	...	...	...	...
(Private)	93	...	1	1	...	...	...
(b) Other Places where Food is produced or sold	311	...	...	...	...	...	...
14. Piggeries	196	...	8	8	...	...	...
15. (a) Dairies	...	...	Lime- washing	1032	51	41	...
(b) Cowsheds	...	...			...	...	...
(c) Milkshops	...	...			...	...	...
16. (a) Factories	...	...	326	1	...	...	...
(b) Workshops	...	...			...	1	...
(c) Workplaces	...	...			...	...	...
(d) Outworkers' Premises	...	...	...	...	...	...	...
17. Bakehouses (Overground)	12	...	...	...	...	...	...
,, (Underground)	...	...	...	...	...	...	...
18. Common Lodging Houses	...	...	...	...	...	...	...
19. Houses let in Lodgings	...	...	...	...	...	...	...
20. Smoke Observations	13	2	...	2	...	...	...
21. Canal Boats	60	4	..	4	...	...	...
22. Infectious Disease Inquiries and Re-visits	296	27	75	102	...	...	...
23. Miscellaneous	356	...	...	...	...	...	...
Totals	...	9168	378	1645	648	236	...

(Signed) R. M. METCALFE.

TABLE XII.

Annual Report, 1920.

Factories and Workshops. Cow-keepers and Milk-sellers.

TOWNSHIP.	Factories.	Mr. McKenzie.						Mr. Metcalfe.	
		Workshops	Domestic Workshops	Total.	Inspections Made.	Defects Found.	Out-workers.	Cow-keepers.	Milk-sellers.
Agden	..	1	—	1	—	—	—	3	2
Ashley	..	4	1	5	4	—	—	26	15
Astou-by-Budworth	..	4	1	6	6	—	—	39	9
Baguley	..	7	1	8	10	1	1	18	2
Bexton	..	—	—	1	3	—	—	5	4
Bollington	..	2	—	2	3	—	—	10	6
Carrington	..	—	2	6	7	—	—	9	1
Dunham Massey	..	9	5	15	35	—	—	37	16
High Legh	..	5	3	9	9	—	—	44	12
Marthall	..	—	—	3	2	—	—	19	12
Mere	..	3	—	5	6	—	—	25	4
Millington	..	2	1	3	4	—	—	5	2
Mobberley	..	10	8	21	26	—	—	63	37
Northenden	..	28	33	66	80	—	—	13	10
Northen Etchells	..	4	3	7	10	—	—	13	17
Ollerton	..	2	1	3	3	3	—	12	9
Partington	..	5	2	10	15	—	—	9	3
Peover Inferior	..	3	—	4	4	—	—	7	3
Peover Superior	..	4	4	10	8	—	—	27	13
Pickmere	..	3	—	3	5	—	—	16	4
Plumbley	..	2	3	7	7	—	—	18	6
Ringway	..	1	1	2	2	—	—	27	9
Rostherne	..	—	3	3	—	—	—	8	4
Styal	..	5	2	8	8	—	—	17	12
Tabley Inferior	..	—	—	—	—	—	—	4	4
Tabley Superior	..	4	8	12	6	—	—	22	16
Tatton	..	—	1	1	—	—	—	1	—
Timperley	..	23	5	36	65	1	2	15	8
Toft	..	2	2	4	—	—	—	8	4
Warburton	..	1	2	—	—	—	—	8	2
	37	136	90	263	326	1	7	528	248

The Rural District of Bucklow.

PART III.

Natural and Social Conditions of the District.—There has been a change in the area since the last Report. By order of the County Council 666 acres of Dunham Massey and 84 acres of Carrington have been added to the Altrincham Urban District. This also means that a population of approximately 1300 has been absorbed by Altrincham. It should be noted that the area of Dunham Massey thus absorbed constituted practically 90 per cent. of the industrial area of the Rural District. The District in other respects remains the same. Details as to the Public Institutions in the District were given in the 1914 Report and there is no material change.

The Population.—The Registrar General's estimate appears in Part 1, and has been used for the purpose of calculating the rates.

Sanitary Circumstances of the District.

Water Supply.—Fourteen water certificates were granted for new houses when a wholesome supply of water had been provided in accordance with the provisions of the Public Health Water Act, 1878. Section 6. Eleven were supplied with a piped service from the mains of the Manchester Corporation, two from the Knutsford Supply and one from Stockport Corporation mains.

Water Analysis.—Eight samples of water were submitted to the County Analyst for Analysis during the year from the following townships :—

Mobberley	...	3 samples.
Ashley	...	1 "
Carrington	...	1 "
Northen Etchells	...	1 "
Ringway	...	1 "
Pickmere	...	1 "

Four were returned as satisfactory supplies and four unsatisfactory. Of the unsatisfactory samples two were from Mobberley, one from Northen Etchells, and one from Ringway. Two of the samples were submitted for bacteriological examination. Action was taken in the case of unsatisfactory supplies to improve the supply or obtain a supply from a new source. The

consideration of a public supply for the townships of Carrington and Mobberley has been proceeded with, but up to the present no progress has been made. They will however be persevered with until the problems are solved.

Rivers and Streams.—Many inspections and enquiries were made as to the rivers in the District. Several samples were taken for examination. Pollutions from private premises were dealt with at once when discovered. Wilmslow is now understood to have its duplicate pumps in order. It remains to be seen whether they will have the desired effect on Mobberley Brook. Sinderland Brook is now more like a country brook and less like an open sewer. It is evident that it is possible to improve the state of our rivers.

Drainage and Sewerage.—Thirty-seven houses were completely re-drained during the year and amendments carried out to fifty-six others. In all cases the water test was applied and the drains proved to be sound and tight before being passed. Seventy-five lengths of drains were tested in this way. Thirty-one privy closets were abolished and water closets substituted. Dustbins were provided in each case for the reception of refuse.

Dark Lane Outfall Works, Dunham Massey.—These works continue to produce a fairly satisfactory effluent. There have been no complaints throughout the year.

Mobberley, Town Lane Tanks.—It has been agreed that the work connected with the new tanks and filters at these works be deferred until the spring. The number of employees at the Camera Works has been greatly reduced, and the sewage is not nearly so troublesome to deal with.

Northenden Sewage Works.—The works here continue. The new works are not to be commenced for the present pending the result of certain local schemes for self-government. The effluent is always "fair" and generally passes as such in the monthly analysis.

Dunham Massey.—These works are satisfactory, and produce a first-class effluent.

Peover Superior, Styall, Northen Etchells, and Partington.—No definite action has been taken with regard to the sewerage of these townships.

Baguley.—A scheme is now being prepared for dealing with the sewage of this township.

Sewer Extensions.—A sewer extension has been carried out during the year along Longley Lane, Northenden, for 130 yards, with one man-hole to receive the drainage from a new house being built at Bradleygate.

Sewer Flushings.—Sewer flushing has been carried out periodically in the townships of Northenden, Dunham Massey, and Timperley.

Closest Accommodation.—The following figures are as close an estimate as possible :—Water Closets, 2975; Waste-Water Closets, 12; Pails, 730; Privies, 975; Dry Ashpits, 600; Dustbins, 1620; Cesspools, 1030.

Scavenging and Removal of Refuse.—The scavenging of Dunham Massey and Timperley has been carried out by the Council's own staff of workmen, and in the townships of Northenden, Northen Etchells, Mobberley, Styal, and Partington by contractors. The following is a return of the work done in each township during the year :

	Houses.	Dry Ashpits.	Dust Bins.	Middens.	Pails.	Loads Removed.
Timperley ...	16156	699	14937	318	1905	1357
Dunham Massey	9338	240	12100	137	5	735
Northenden ...	10740	271	9278	569	86	697
Mobberley ...	1774	41	16	183	1735	271
Northen Etchells	1990	—	1798	—	1065	83
Partington ...	—	—	—	—	—	54
Total ...	44053	1278	38625	1302	8459	3383

The refuse is removed regularly in the various townships. It was found necessary to carry out some scavenging in Partington. Several large heaps of refuse had accumulated, and it was necessary in this respect to thoroughly clean up the township. Arrangements will be made for a regular system of scavenging.

The question of disposal of refuse in the townships of Dunham Massey, Timperley and Northenden is still a very serious matter. Owing to the difficulty of obtaining suitable tips within a reasonable distance, the cost of removing will be considerably increased in the near future.

Sanitary Inspections of District.—Table prepared by the County Medical Officer of Health, and filled up by Mr. Metcalfe, gives the figures required by Art. XX. (16) of the General Order.

The following particulars are given for easy reference :—

Number of Dairies	...	...	242
"	Cowkeepers	...	528
"	Milkshops	...	6
"	Slaughter-houses	...	17
"	Butchers' Shops	...	9
"	Grocers' Shops	...	62
"	Fish, Fruiterers, and other Food Shops	...	13
"	Bakehouses	...	12
"	Factories	...	37
"	Workshops	...	136
"	Domestic Workshops	...	90
"	Outworkers	...	7
"	Water Closets	...	2975
"	Dust-bins	...	1629
"	Dry Ash-pits	...	600
"	Middens	...	969
"	New Houses built	...	14
"	Houses in District	...	4942
Estimated Population	...	...	24802
Average number of persons per house		...	4·6
Population at Census 1901	...	...	19850
1911	...	...	22870
Area of District in Acres (exclusive of area covered by water)	56892--544	...	56348

Special Premises and Occupations.—There are none.

Schools.—These have been closed when considered necessary by the School Medical Officer on account of infectious diseases, and afterwards disinfected by the Council's staff. Several of the Schools are unsatisfactory in regard to sanitary conditions and water supply.

Food. (a) Milk Supply.—The inspection of dairies, cow-sheds and milkshops has been carried out. Particular attention was given to the cleanliness of the vessels used in conveying and cooling milk. No bad cases were discovered, but in a few instances attention had to be drawn to the condition of some of the cans. There are in the District 528 cow-keepers, 242 being milk-sellers, and 6 milk-sellers who are not cow-keepers. No tuberculous cows were discovered during the year. One case of Anthrax was reported at the end of the year and all necessary disinfection carried out by the County Police. Legal proceedings were also taken and the persons in default fined.

Food. (b). Other Foods.—404 visits were made to slaughter-houses, butchers' shops, fish carts, grocers' shops, etc. The meat examined was found to be of fair quality. There were no complaints, seizures or surrenders.

Slaughter-houses in use :—16 in 1914 ; 16 in January, 1920 ; 16 in December, 1920.

Food. (c). Sale of Food and Drugs Act.—In the hands of the County Council.

Housing.—(XIX. (14). (h).)—Housing and Town Planning Acts.

Houses inspected under s. 17, Act of 1909	...	115
" found unfit	...	nil
Number of representations to Local Authority	...	nil
" closing orders made	...	nil
Houses where defects remedied without closing orders	...	53
Number of houses within limits of rent of s. 14	...	3127
" notices served on such houses	...	105
" closed	...	nil
" notices under s. 28, Act of 1919	...	6
" back-to-back houses	...	nil
" cellar dwellings	...	nil

The work under these Acts has been proceeded with and 115 houses inspected. No representations were made to the Council for closing orders to be issued. Defects were remedied without closing orders at 53 houses. Amendments were carried out at several of the houses where notices had been served during the war or pre-war and the work deferred.

Prevalence of, and Control over, Infectious Diseases.—The year has passed without any small-pox, but owing to the occurrence of a large number of cases in a town not very far away, posters were issued urging the advisability of vaccination.

There has been an increased prevalence of diphtheria and scarlet fever as compared with 1919, and a notable decrease in influenza. The increase in diphtheria is only seven. The increase in scarlet fever is fifty. Considering that there has been scarlet fever constantly during the year in an urban district close to the part of our area where most of this increase has occurred, it is really remarkable that the number of cases is not higher, especially as we have been peculiarly unfortunate in the matter of "return" cases.

Diphtheria antitoxin is paid for by the Council in suitable cases, and any medical practitioner can obtain it where he likes, but in addition a supply is kept in readiness at 27, Station Buildings, Altrincham, and at the residences of the Medical Officer of Health and the Inspector. It is hoped to arrange for a supply to be similarly kept at Knutsford.

I am gratified to notice an increased use by medical men of the facilities afforded by the Council for examination of morbid products. This work is most efficiently carried out under the

supervision of Professor Delépine at the Manchester Public Health Laboratory, where 68 such examinations were made for the Bucklow Council during 1920. These have undoubtedly saved much expense by preventing the mistaken notification and removal to hospital of cases resembling diphtheria. Such work is also of immense advantage to the doctors, as it enables them to satisfy themselves in doubtful cases without feeling that they are putting their poorer patients to considerable expense. Signs are certainly not lacking to show that the public are now alive to the necessity for, and the real usefulness of, these laboratory examinations.

The Isolation Hospital arrangements with Manchester, through the Bucklow Joint Hospital Board, have been especially valuable during a year with somewhat more than the ordinary prevalence of infectious disease, and the financial saving as compared with maintaining a hospital of our own in these days of high prices must have been very considerable.

A word of thanks and praise is due to the great majority of medical men in the District for their promptness in notification, for their courtesy in answering inquiries made by myself or the Inspector, and for their support when removal to hospital is urged. The only trouble we ever have is in the case of one or two men, the number of whose patients, at any rate in the Bucklow Rural District, is fortunately small. I have no wish to have any case removed to hospital if it really can be and really is adequately isolated at home, but the number of houses in which this is possible is not large. When a medical man finds that removal is being urged in a case in which he has said the patient can be effectively isolated at home I hope he will remember that a visit from the Inspector may have revealed that as a matter of fact no real isolation is being carried out.

Twenty-four cases of pneumonia were reported, and there were fourteen deaths from this disease. As there would probably not be fourteen deaths out of twenty-four cases, and as moreover some of the deaths were cases which had not been notified, there is no doubt notification is sometimes forgotten. Occasionally I call a doctor's attention to such an omission, but I consider the Regulations were always too involved to be workable, and certainly require revision after the abolition of notification of measles and influenza, both of which often have pneumonia as a complication. It is very difficult to see what useful purpose is served by the notification of pneumonia. The term covers a number of different conditions, which are really separate diseases and have very varying causes, and any statistics compiled from returns of, say a dozen, different conditions under the one heading of "pneumonia," must be quite worthless.

Measles and Whooping-cough Visitors are retained for employment when required.

Tuberculosis.—For statistics see Tables. Notification is not perfectly carried out, but it is as good as I ever expect to see it. Arrangements for treatment are in the hands of the County Council, and all but a very few cases are also personally visited by me. I do not wish to comment adversely or otherwise on the particular scheme of the County Council, but prevention is better than cure, and even if sanatoria and other portions of such schemes could show much better results than they do, the money would be better spent on prevention, which means education about the disease and improved sanitation. When Health Authorities are doing the original preventive Public Health work, that work, though perhaps not showy, produces good results of incalculable value, but attempts to fit individual patients already ill with a chronic disease like tuberculosis into a "scheme" are fore-doomed to, at any rate, partial failure.

The Annual Report of the County Tuberculosis Officer for 1919 (the last yet issued) is a model of careful compilation, contains a large amount of interesting and instructive matter, and will well repay careful perusal by all who are connected with public affairs. On page 192 of that report it appears that out of 2000 insured persons who made application for treatment for tuberculosis between January 1st, 1913, and December 31st, 1919, the majority of whom received periods of residential treatment, 716 are working, 684 are not able to work, and 600 are dead.

Maternity and Child Welfare are in the hands of the County Council, and it is very satisfactory to note that the Infantile Mortality Rate is the lowest yet recorded in this District, although it is very little lower than in 1914 and 1912, both of which years were before the Scheme of welfare work commenced to operate.

Sanitary Administration of the District.

(1). *Staff.*—This is unaltered, and at present consists of Mr. J. McD. McKenzie, Surveyor, and Mr. R. Moore Metcalfe, Inspector, with a boy clerk, who is expected to divide his time equally between the two offices.

(2). *Hospitals.*—There is ample accommodation in the Hospitals of the Manchester Corporation, which is under agreement with the Bucklow Joint Hospital Board. We have nothing to do with Hospital Administration.

(3). *Local or Adoptive Acts.*—There are no local Acts. The Adoptive Acts are the Infectious Diseases Prevention Act; the

P.H.A.A.A. 1890, Part III.; the P.H.A.A.A. 1907, Sections 15, 16, 23, 52 to 75, whole District; 34 to 46 Dunham Massey, Northenden and Timperley only. The "administration" is part of the regular work of the officers.

Laboratory Work.—See under Infectious Diseases.

Surveyor's Report.

"Factories and Workshops."—The register has again been revised for the purpose of this report and totals 270, made up of 37 factories, 136 workshops, 90 domestic workshops, and 7 out-workers. Through the alteration of Boundaries at Partington and Dunham Massey, two industrial areas containing 14 factories and 4 workshops have passed from the Council's control, and greatly diminishes the figures in the last Report. The new fire-escape staircases for the Cone Tube Co., Timperley, have not yet been fixed, but early delivery is promised by the makers. No complaints have been received otherwise. The making of Rag Dolls has almost entirely been given up within our District. The number of registered outworkers now stands at 7, owing to deaths and removals from the District. The present number of bake-houses is 12, and there are no underground bake-houses in the District.

Canal Boats.—In accordance with the Canal Boats Act the usual inspections were made during the year. 60 boats were inspected in 31 visits and were registered for a total of 189 persons. On inspection they were found to be occupied by 125, made up of 70 men, 51 women, and 4 children, the latter all under school age. On two occasions 4 boats were found to be in an unsatisfactory condition, having the following defects:—(1) no water vessels on board, (2) no certificates on board, (3) markings not identifying owner, (4) leaking cabins, and requiring painting. These boats belonged to one firm, and two complaint notes were forwarded to point out such defects. I am glad to be able to report that attention has already been given, and the boats are at present at Messrs. Rathbone's docks at Stretford being overhauled. No cases of infectious disease were notified or met with during the year. Speaking generally the boats were found to be in a satisfactory condition and showed no cause for complaint.

Building Plans.—During the year 96 sets of plans received the consideration of the Health Committee. 80 were approved as drawn, 15 referred for amendment, and 1 was disapproved entirely. The plans were for—

Dwelling-houses	...	...	16
,, conversions	...	...	6
Bungalows (Wooden)	...	...	4
Garages	...	...	16
Additions	...	...	31
Wooden Erections	...	...	6
Cycle Sheds (Wooden)	...	...	2
New Works and additions	...	...	10
Farm Buildings	...	...	3
New Road	...	...	1
Hospital	...	...	1
			<hr/>
	Total	...	96
			<hr/>

12 Houses were certified for occupation during the year. Owing to the scarcity of houses 5 outbuildings were converted into Cottages, and one Institute was bought and converted into a dwelling. The 4 wooden bungalows are now in course of erection, and will be ready for occupation before this report is published.

Licences.—The following licences were issued during the year :—

Motor Buses	...	...	8 (Northenden and Baguley)
,, (Drivers and Guards)	37	do.	
Tramcars	..	26 (Timperley)	
,, (Drivers and Guards)	108	do.	
Pleasure Boats	41	Boatmen	5 (Northenden)
,,	79	,,	14 (Pickmere)
,,	11	,,	3 (Warburton)
Petrol...	...	...	19
Carbide of Calcium	...	...	4
Wooden Bungalows (Pickmere)	38		

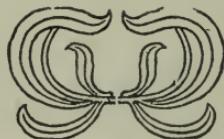
Public Lighting—Northenden and Timperley.—Full lighting has now been resumed in these townships, and the lamps are now all on the incandescent principle. 200 lamps are lighted in Timperley and 85 in Northenden. Suggestions have been put forward to provide and maintain special lamps at selected dangerous places, to be controlled by clockwork mechanism, so as to provide for lighting every night and morning during the winter. This suggestion is receiving consideration.”

Housing.—The number of houses at one time expected to be erected by the Council was 422, but owing to the alteration of the boundary of the Rural District, and to resent modification of views as to the number really required, it cannot be said at the moment that any number is definitely decided upon.

It only remains for me to express my appreciation of the work of the Surveyor and Inspector, and to thank them for their never-failing readiness to put their best efforts into their own work and into facilitating mine, day by day, throughout the year, and for assistance in the preparation of this Report.

ARTHUR T. BLEASE,

M.B., Ch.B., M.R.C.S. Eng., I.R.C.P. Lond.



APPENDICES.

HOUSING CONDITIONS.

STATISTICS.

Year ended 31st December, 1920.

I.—General.

(1)	Estimated population .....	..	24360
(2)	General death-rate .....	..	8·2
(3)	Death-rate from tuberculosis .....	..	0·57
(4)	Infantile mortality .....	..	56
(5)	Number of dwelling-houses of all classes .....	..	4942
(6)	Number of working-class dwelling-houses .....	..	3127
(7)	Number of new working-class houses erected .....	..	13

2.—Unfit Dwelling-houses.**I.—INSPECTION.**

(1)	Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) .....	..	405
(2)	Number of dwelling-houses which were inspected and recorded under the Housing (Inspection of District) Regulations, 1910 .....	..	115
(3)	Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation .....	..	0
(4)	Number of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation .....	..	75

II.—REMEDY OF DEFECTS WITHOUT SERVICE OF FORMAL NOTICES.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	53
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III.—ACTION UNDER STATUTORY POWERS.**A. Proceedings under Section 28 of the Housing, Town Planning, &c., Act, 1919.**

(1)	Number of dwelling-houses in respect of which notices were served requiring repairs .....	..	6
(2)	Number of dwelling-houses which were rendered fit—(a) by owners .....	..	3
	(b) by Local Authority in default of owners...	..	0

(3)	Number of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close	...	0
B. Proceedings under Public Health Acts.			
(1)	Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	...	...
(2)	Number of dwelling-houses in which defects were remedied—		105
	(a) by owners	...	70
	(b) by Local Authority in default of owners	...	0
C. Proceedings under sections 17 and 18 of the Housing, Town Planning, &c., Act, 1909.			
(1)	Number of representations made with a view to the making of Closing Orders	...	0
(2)	Number of dwelling-houses in respect of which Closing Orders were made	...	0
(3)	Number of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been rendered fit	...	0
(4)	Number of dwelling-houses in respect of which Demolition Orders were made	...	0
(5)	Number of dwelling-houses demolished in pursuance of Demolition Orders	...	0

3.—Unhealthy Areas.

Areas represented to the Local Authority with a view to Improvement Schemes under (a), Part I., or (b), Part II., of the Act of 1890:—

(1)	Name of Area	...	...	...	0
(2)	Acreage	...	...	...	0
(3)	Number of working-class houses in area	...	...	...	0
(4)	Number of working-class persons to be displaced	...	...	...	0

4—Number of houses not complying with the building byelaws erected with consent of Local Authority under Section 25 of the Housing, Town Planning, &c., Act, 1919 ...

5—Staff engaged on housing work with, briefly, the duties of each officer:—

Clerk and Assistant Clerk—legal and financial matters.

Medical Officer and Inspector—as to inspection of dwellings.

Surveyor—as to housing sites.

(Messrs. Halliday and Paterson, Architects, are engaged to deal with housing schemes generally).